



Bilateral Project Agreement with the Netherlands for Dismounted Warrior Operational Analysis

General Description:

This Bilateral Project Agreement was officially signed by the US on 30 July 2004 and will allow the US and the Netherlands to continue the productive relationship started within the NATO Working Group of Experts 4 (WGE4) on Assessment and Modeling of Soldier System Performance. The Agreement will cover a 7-year period. The products of the WGE4 effort included a comprehensive evaluation of NATO requirements of, and models appropriate for, dismounted warrior operations analysis, an improved STANAG (Standardization Agreement) on Urban Zones, and a review of Bone and Tissue simulants necessary for casualty assessment and simulation.

Objective:

The objective of this Project Agreement is to collaborate in the development of modeling, simulation, and assessment technologies to enhance Combined Arms Dismounted Combatant operations.

Major Tasks:

To accomplish this objective, the following tasks will be performed: 1) Define metrics for Combined Arms Dismounted Operational analyses, 2) Develop operational use cases, 3) Conduct laboratory and field experiments, 4) Develop algorithms and software modules for the Soldier Domains (based on results from experiments/field trials), 5) Develop standardized operational analysis procedures, 6) Integrate these algorithms and associated software into the Infantry Warrior Simulation (IWARS), 7) Verify and Validate IWARS, and 8) Document results in interim and final reports.

Facts:

Netherlands' experts, after carefully reviewing alternative models, have endorsed IWARS as the preferred analytical tool for evaluating combined arms dismounted warfighter operations, capabilities, and requirements.

In April 2001, a delegation from the Netherlands met with the Natick Modeling and Analysis Team as well as the International Team to discuss the possibility of formal collaboration between the two countries in areas pertaining to the modeling and analysis of combined arms dismounted warfighter operations, capabilities, and requirements.

The Summary Statement of Intent was approved by the Department of the Army (DA) on 17 March, 2003, with the request for final authority to sign and implement the Agreement NO. A-PA-2002-0098 granted in late June 2004.

Meetings between NL and US representatives are held semi-annually. Accomplishments include: sharing and critiquing data collection plans and analyses; preparing and publishing joint technical papers, performing Verification and Validation studies of leading dismounted combatant small unit simulations, critiquing IWARS planned functions and identifying specific collaborative efforts.

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